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JUNE 09, 1999

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FOLEY, HOAG & ELIOT LLP
BETH E. ARNOLD
PATENT GROUP
ONE POST OFFICE SQUARE
BOSTON, MA 02109-2170



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09/612809
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UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 03/15/1999

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SHEFFIELD, VAL C.

DOC DATE: 03/02/1999

ASSIGNOR:
ALWARD, WALLACE L.M.

DOC DATE: 02/12/1999

ASSIGNOR:
STONE, EDWIN M.

DOC DATE: 02/22/1999

ASSIGNOR:
NISHIMURA, DARRYL

DOC DATE: 02/19/1999

ASSIGNOR:
PATIL, SHIVA

DOC DATE: 02/12/1999

ASSIGNEE:
IOWA RESEARCH FOUNDATION,
UNIVERSITY OF, THE
214 TECHNOLOGY INNOVATION CENTER
OAKDALE RESEARCH CAMPUS
IOWA CITY, IOWA 52319

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F.H. & E. LLP
PATENT DEPT.

9839/0713 PAGE 2

SERIAL NUMBER: 09083351
PATENT NUMBER:

FILING DATE: 05/22/1998
ISSUE DATE:

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

03-29-1999



To the Honorable Commissioner of Patents and Trademarks: Please re

100995569

1. Name of conveying party(ies):

Val C. Sheffield
Wallace L.M. Alward
Edwin M. Stone
Darryl Nishimura
Shiva Patil

2. Name and address of receiving party(ies)

Name: The University of Iowa Research Foundation

Internal Address: _____

Street Address: 214 Technology Innovation CenterOakdale Research CampusCity: Iowa City State: IA Zip: 52319

Additional name(s) & address(es) attached? () Yes (X) No

Additional name(s) of conveying party(ies) attached? () Yes (X) No

3. Nature of conveyance:

- (X) Assignment () Merger
() Security Agreement () Change of Name
() Other _____

Execution Date: February 12 - March 2, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

U.S.S.N.: 09/083,351, filed May 22, 1998

B. Patent No.(s)

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patent GroupInternal Address: Foley, Hoag & Eliot LLPStreet Address: One Post Office SquareCity: Boston State: MA ZIP: 02109-2170

6. Total number of applications and patents involved: (1)

7. Total fee (37 CFR 3.41).....\$ 40.00

(X) Enclosed

() Authorized to be charged to deposit account

8. Deposit account number:

06-1448

(Attached duplicate copy of this page if paying by deposit account)

03/25/1999 JSHABAZZ 00000158 09083351

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Beth E. Arnold 35,430

Name of Person Signing and Reg. No.

Signature

March 15, 1999

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required covered sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

We, Val C. Sheffield of Coralville, Iowa, Wallace L.M. Alward of Iowa City, Iowa, Edwin M. Stone of Iowa City, Iowa, Darryl Nishimura of Coralville, Iowa, and Shiva Patil of Iowa City, Iowa, in consideration of One Dollar and other valuable consideration paid to me by

The University of Iowa Research Foundation

a corporation of Iowa, having its principal place of business at 214 Technology Innovation Center, Oakdale Research Campus, Iowa City, Iowa 52319 the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

The University of Iowa Research Foundation

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

Therapeutics and Diagnostics for Congenital Heart Disease based on a Novel Human Transcription Factor
described in an application

X Serial No. 09/083,351, filed on May 22, 1998

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

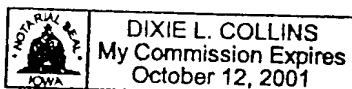
WITNESS my hand and seal this 2 day of March, 1999.

By: Val C. Sheffield

Val C. Sheffield

State of Iowa)
) ss
County of Johnson)

Then personally appeared the above-named Val C. Sheffield and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 2 day of March, 1999.



Dixie Collins
Notary Public
My commission expires:

WITNESS my hand and seal this 12th day of February, 1999.
By: Wallace L.M. Alward
Wallace L.M. Alward

State of Iowa)
County of Johnson) ss

Then personally appeared the above-named Wallace L.M. Alward and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 12th day of February, 1999.

Petucio A. Smith
Notary Public
My commission expires: 4-19-99

WITNESS my hand and seal this 22nd day of February, 1999.
By: Edwin M. Stone
Edwin M. Stone

State of Iowa)
County of Johnson) ss

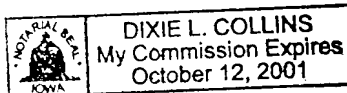
Then personally appeared the above-named Edwin M. Stone and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 22nd day of February, 1999.

Petucio A. Smith
Notary Public
My commission expires: 4-19-99

WITNESS my hand and seal this 19 day of February, 1999.

By: Darryl Nishimura
Darryl Nishimura

State of Iowa)
County of Johnson) ss



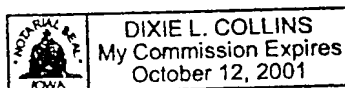
Then personally appeared the above-named Darryl Nishimura and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 19 day of February, 1999.

Dixie Collins
Notary Public
My commission expires: 10-12-2001

WITNESS my hand and seal this 12 day of Feb, 1999.

By: Shiva Patil
Shiva Patil

State of Iowa)
County of Johnson) ss



Then personally appeared the above-named Shiva Patil and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 12 day of February, 1999.

Dixie Collins
Notary Public
My commission expires: